

Converting Colors

$Y_{xy}(77.9135, 0.3334, 0.3440)$

Have a look what the booklet for
Yxy(77.9135, 0.3334, 0.3440)
contains.

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Color

Yxy(78.0234, 0.3334, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	F2E2D4
RGB	242, 226, 212
RGB Percent	95%, 89%, 83%
CMY	0.0508, 0.1138, 0.1687
CMYK	0.00, 0.07, 0.12, 0.05
HSL	28°, 54%, 89%
HSV	28°, 12%, 95%
XYZ	75.7072, 78.0234, 73.3456
YIQ	229.1880, 14.0300, -0.9620

Conversions

Conversions Part 2

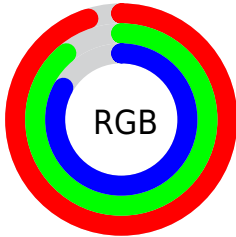
Format	Color
R _Y B	242, 238, 212
Decimal	15917780
CIE Lab	90.79, 3.18, 8.80
CIE LCh	91, 9.358, 70.124
Yxy	78.0234, 0.3334, 0.3436
Android (android.graphics.Color)	4294107860 (0xFFFF2E2D4)
YUV	229.1880, -8.4737, 11.2361
Hunter-Lab	88.3309, -1.5890, 12.6001

Details

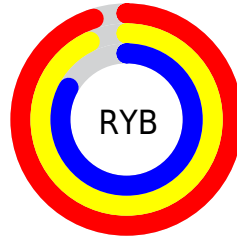
The Yxy color **78.0234, 0.3334, 0.3436** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.9143, 0.2934, 0.3140**, and the grayscale version is **78.5610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9992, 0.3387, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **70.1297, 0.3529, 0.3561**, and if you desaturate by 10%, it is **86.6369, 0.3165, 0.3318**.

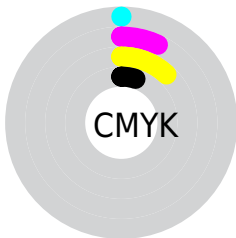
Distribution



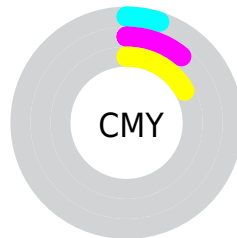
- Red (95%)
- Green (89%)
- Blue (83%)



- Red (95%)
- Yellow (93%)
- Blue (83%)



- Cyan (0%)
- Magenta (7%)
- Yellow (12%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0234, 0.3334, 0.3436 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 78.0234, 0.3334, 0.3436 by changing the saturation by 10% instead.


 78.0234, 0.3334,
0.3436

 78.0234, 0.3334,
0.3436


488.2463, 0.3239,
0.3370

 58.0932, 0.3355,
0.3451


130.5831, 0.3301,
0.3413

 41.8836, 0.3382,
0.3469

163.9814, 0.3288,
0.3404

 29.0101, 0.3415,
0.3492


202.6379, 0.3277,
0.3397

 19.0885, 0.3459,
0.3521

246.9369, 0.3268,
0.3390

 11.7342, 0.3517,
0.3560

297.2628, 0.3259,
0.3384

 6.5630, 0.3601,
0.3615

354.0001, 0.3252,

 3.1903, 0.3730,

0.3379

0.3698

417.5331, 0.3245,
0.3374

■ 1.2319, 0.3985,
0.3865

■ 0.0875, 0.6476,
0.3524

■ 78.0234, 0.3334,
0.3436

■ 78.0234, 0.3334,
0.3436

■ 70.1297, 0.3529,
0.3561

■ 86.6369, 0.3165,
0.3318

■ 62.9258, 0.3750,
0.3688

■ 95.6265, 0.3048,
0.3259

■ 56.3944, 0.3999,
0.3814

■ 97.6251, 0.3048,
0.3290

■ 50.5135, 0.4272,
0.3929

■ 45.2598, 0.4562,
0.4023

■ 40.6081, 0.4856,
0.4082

■ 36.5308, 0.5134,
0.4095

■ 32.9967, 0.5377,
0.4052

■ 30.6512, 0.5533,
0.3989

Harmonies

Analogous

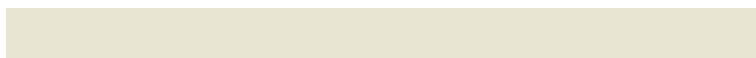
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0234, 0.3340, 0.3355



78.0234, 0.3334, 0.3436



78.0234, 0.3272, 0.3480

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0234, 0.3334, 0.3436



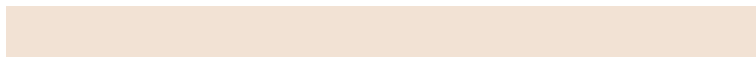
78.0234, 0.2969, 0.3319



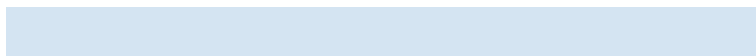
78.0234, 0.3080, 0.3116

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.0234, 0.3334, 0.3436



75.9143, 0.2934, 0.3140

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0234, 0.2982, 0.3104



78.0234, 0.3334, 0.3436



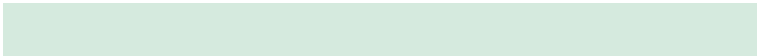
78.0234, 0.2919, 0.3219

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0234, 0.3334, 0.3436



78.0234, 0.3061, 0.3413



78.0234, 0.2924, 0.3141



78.0234, 0.3191, 0.3172

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0234, 0.3334, 0.3436



78.0234, 0.3208, 0.3481



78.0234, 0.2924, 0.3141



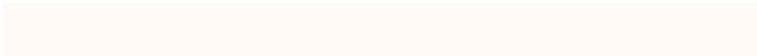
78.0234, 0.3044, 0.3107

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.0268, 0.3334, 0.3436



95.9345, 0.3190, 0.3336



71.5944, 0.3235, 0.3119



20.3734, 0.3202, 0.3345



0.0000, 0.0000, 0.0000



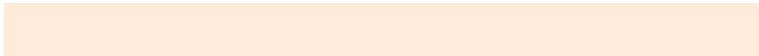
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0268, 0.3334, 0.3436



85.4309, 0.3383, 0.3468



86.2771, 0.3315, 0.3582



16.9732, 0.3282, 0.3400



16.7273, 0.5506, 0.4010



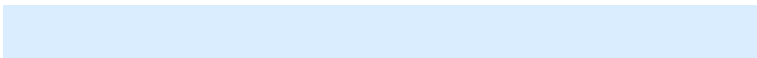
1.5889, 0.5289, 0.4183

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.9143, 0.2934, 0.3140



82.6026, 0.2892, 0.3105



68.2421, 0.2930, 0.2980



16.6265, 0.2980, 0.3177



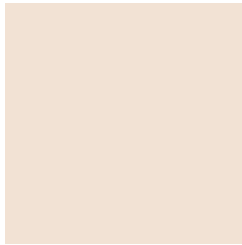
12.1859, 0.1804, 0.1693



1.2128, 0.1867, 0.1919

Previews

White Background



This preview shows how the Yxy color 78.0234, 0.3334, 0.3436 looks on a white background.

Color Contrast Check

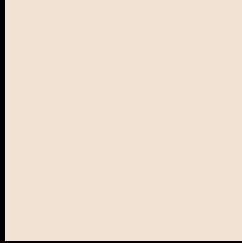
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 78.0234, 0.3334, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

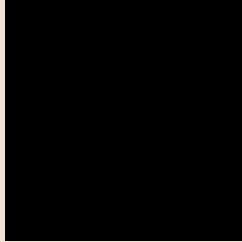
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

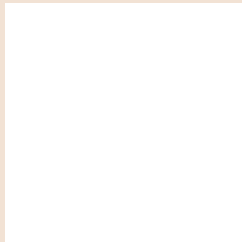
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0234, 0.3334, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 78.0234, 0.3334, 0.3436.

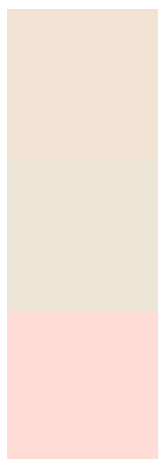


This preview shows how white text looks on a background with the Yxy color 78.0234, 0.3334, 0.3436.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.0234, 0.3334, 0.3436

Protanopia

78.1238, 0.3281, 0.3448

Deuteranopia

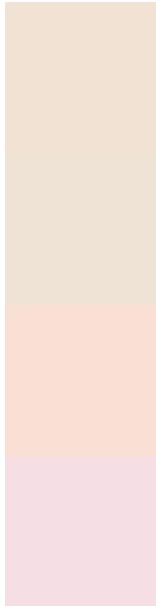
77.8279, 0.3422, 0.3362



Tritanopia

78.0674, 0.3184, 0.3119

Trichromacy



Original Color

78.0234, 0.3334, 0.3436

Protanomaly

77.9194, 0.3297, 0.3437

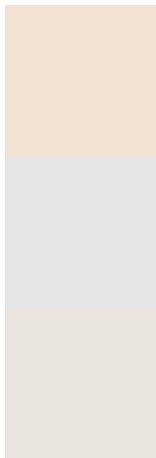
Deuteranomaly

77.9034, 0.3389, 0.3393

Tritanomaly

77.8450, 0.3243, 0.3229

Monochromacy



Original Color

78.0234, 0.3334, 0.3436

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3069, 0.3201, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0234, 0.3334, 0.3436 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 226, 212)` looks like.

```
.text, #text, p{  
    color:rgb(242, 226, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 226, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 226, 212) }
```

Border

The CSS property to change the border of an element to Yxy 78.0234, 0.3334, 0.3436 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 226, 212) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(242, 226, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 226, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 226, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 226, 212);  
box-shadow:4px 4px 4px 4px rgb(242, 226,  
212) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.0234, 0.3334, 0.3436$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 226, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242,  
226, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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